

Claims

What is claimed is:

1 1. A method for generating and maintaining N database instances in accordance with a template,
2 said method comprising:
3 creating the template based on design information, said creating the template
4 implemented by a template manager;
5 storing the template in a template manager database, said storing the template
6 implemented by the template manager;
7 generating the N instances based on the template and on control information for the N
8 instances, said control information including configuration control information, said
9 configuration control information identifying N locations corresponding to the N instances, said
10 N at least 2, said generating the N instances implemented by the template manager;
11 storing the N instances in the template manager database, said storing the N instances
12 implemented by the template manager; and
13 transmitting the N instances to the corresponding N locations, said transmitting the N
14 instances implemented by the template manager.

1 2. The method of claim 1, said control information further including administrative information.

1 3. The method of claim 2, said administrative information being location dependent.

1 4. The method of claim 2, said administrative information being location independent.

1 5. The method of claim 1, said control information comprising access control information, said
2 access control information identifying at least one access control group for each instance of the N
3 instances, wherein if a plurality of access control groups are associated with a given instance then
4 each such access control group of the plurality of access control groups has an independent level
5 of access control relating to the given instance.

1 6. The method of claim 1, further comprising:
2 obtaining the design information, said obtaining implemented by an agent; and
3 transmitting the design information to the template manager, said transmitting the design
4 information implemented by the agent.

1 7. The method of claim 1, further comprising:
2 obtaining a portion of the control information, said obtaining implemented by an agent;
3 and
4 transmitting the portion of the control information to the template manager, said
5 transmitting the portion of control information implemented by the agent.

1 8. The method of claim 1, said transmitting the N instances comprising transmitting the N
2 instances to the corresponding N locations over telephone lines or cable lines.

1 9. The method of claim 1, further comprising:

2 refreshing the template based on update design information, said refreshing the template
3 implemented by the template manager;

4 refreshing the N instances based on the refreshed template, said refreshing the N instances
5 implemented by the template manager; and

6 transmitting the N refreshed instances to the corresponding N locations, said transmitting
7 the N refreshed instances implemented by the template manager.

8 10. The method of claim 9, further comprising providing the update design information to the
9 template manager, said providing the update design information implemented by an agent.

1 11. The method of claim 1, further comprising:

2 refreshing M instances of the N instances based on update control information, said
3 $M \leq N$, said refreshing the M instances implemented by the template manager; and

4 transmitting the M refreshed instances to the corresponding M locations, said transmitting
5 the M instances implemented by the template manager.

1 13. A computer system for generating and maintaining N database instances in accordance with a
2 template, said computer system comprising a template manager and a template manager
3 database, said template manager adapted to:

4 create the template based on design information;

5 store the template in the template manager database;

6 generate the N instances based on the template and on control information for the N
7 instances, said control information including configuration control information, said
8 configuration control information identifying N locations corresponding to the N instances, said
9 N at least 2;

10 store the N instances in the template manager database; and

11 transmit the N instances to the corresponding N locations.

12 14. The computer system of claim 13, said control information further including administrative
13 information.

1 15. The computer system of claim 14, said administrative information being location dependent.

1 16. The computer system of claim 14, said administrative information being location
2 independent.

1 17. The computer system of claim 13, said control information comprising access control
2 information, said access control information identifying at least one access control group for each
3 instance of the N instances, wherein if a plurality of access control groups are associated with a
4 given instance then each such access control group of the plurality of access control groups has
5 an independent level of access control relating to the given instance.

1 18. The computer system of claim 13, further comprising providing an agent, said agent adapted
2 to:

3 obtain the design information; and

4 transmit the design information to the template manager.

1 19. The computer system of claim 13, further comprising providing an agent, said agent adapted
2 to:

3 obtain a portion of the control information; and

4 transmit the portion of the control information to the template manager.

1 20. The computer system of claim 13, wherein to transmit the N instances comprises to transmit
2 the N instances to the corresponding N locations over telephone lines or cable lines.

1 21. The computer system of claim 13, said template manager further adapted to:

2 refresh the template based on update design information;

3 refresh the N instances based on the refreshed template; and
4 transmit the N refreshed instances to the corresponding N locations.

1 22. The computer system of claim 21, further comprising providing an agent, said agent adapted
2 to provide the update design information to the template manager.

1 23. The computer system of claim 12, said template manager further adapted to:
2 refresh M instances of the N instances based on update control information, said $M \leq N$;
3 and
4 transmit the M refreshed instances to the corresponding M locations.

5 24. The computer system of claim 23, further comprising providing an agent, said agent adapted
6 to provide the update control information to the template manager.

1 25. A computer program product, comprising a computer usable medium having a computer
2 readable code embodied therein, said computer readable code including a template manager
3 adapted to:
4 create a template based on design information;
5 store the template in a template manager database;
6 generate N database instances based on the template and on control information for the N
7 instances, said control information including configuration control information, said
8 configuration control information identifying N locations corresponding to the N instances, said
9 N at least 2;
10 store the N instances in the template manager database; and
11 transmit the N instances to the corresponding N locations.